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Substitute for form 1449B/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/656/990
Date Submitted: March 3, 2004		Filing Date	09/05/2003
Use as many sheets as necessary)		First Named Inventor	Christian P.A. Van de Ligt
Sheet 1 of 2		Group Art Unit	2862
		Examiner Name	
		Attorney Docket Number	023829-0257

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
/MNVB/ ↓	A1	6,135,055		Pratt	10-24-2000	
	A2	6,115,692		Liu et al.	09-05-2000	
	A3	6,076,043		Liu	06-13-2000	
	A4	5,700,590		Masor et al.	12-23-1997	
	A5	5,668,718		Liu et al.	09-16-1997	
	A6	5,478,989		Shepley	12-26-1995	
	A7	5,355,833		Legrain	10-18-1994	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴				
/MNVB/	A10		WO 00/41575	Bebiak et al.	07-20-2000		
/MNVB/	A11		WO 02/47473 A2	Burghardi, et al.	06-20-2002		
/MNVB/	A12		EP 0 715 806 A1	Möller, Friedrich, Dipl.-ing. et al.	06-12-1996		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
/MNVB/	A13	CARVER ET AL., "The Role Of Nucleotides In Human Nutrition," Nutritional Biochemistry, 1995, Vol. 6, February, pp. 58-72.	
/MNVB/	A14	BERNARD DEVRESSE, "Nutrient Levels In Some Commercial Shrimp Feeds And Feed Ingredients Of Asia And Latin America - A Comparative Analysis," Inve Aquaculture N.V.Oeverstraat, 7 B-9200 Belgium, pp. 49-70, NO DATE.	
/MNVB/	A15	J. P. F. D'MELLO, "Utilization Of Dietary Purines And Pyrimidines By Non-Ruminant Animals," Proc. Nutr. Soc. (1982), 41, pp. 301-308.	
/MNVB/	A16	MICHAEL HOWIE, "Condensed Porcine Solubles Suitable Source Of Energy, Protein For Swine," Feedstuffs, October 26, 1998, The Miller Publishing Company, a company of Rural Press Ltd.	

Examiner Signature

/M.N. Von Buhr/

Date Considered

01/06/2008

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

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Filing Date		09/05/2003	
First Named Inventor		Christian P.A. Van de Ligt	
Group Art Unit		2862	
Examiner Name			
Attorney Docket Number		023829-0257	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
/MNVB/	A17	KARASAWA ET AL., "Effect Of Dietary RNA On Growth And Food Intake Of Young Chicks," Japanese Poultry Science, 2 (3), 1990, pp. 165-172.	
	A18	KUBOTA ET AL., "Adverse Effects Of Low Concentrations Of Dietary RNA Addition On The Growth, Food Intake And Kidney Weight Of Young Chickens," British Poultry Science (1994) 35: pp. 585-588.	
	A19	KULKARNI ET AL., "The Role Of Dietary Sources Of Nucleotides In Immune Function: A Review," Symposium: Dietary Nucleotides: A Recently Demonstrated Requirement for Cellular Development and Immune Function, given at the Experimental Biology '93 meeting, New Orleans, LA, March 31, 1993.	
	A20	"Orotate Supplementation For Starter Diet For Swine," Nutri-Quest, Inc., 1400 Elbridge Payne Road, Chesterfield, MO 63017, NO DATE.	
	A21	RUDOLPH ET AL., "Role Of RNA As A Dietary Source Of Pyrimidines And Purines In Immune Function," Nutrition, Vol. 6, No. 1, January/February 1990, pp. 45-52.	
	A22	TSUJINAKA ET AL., "Role Of Supplementation Of A Nucleic Acid Solution On The Intestinal Mucosa Under Total Parenteral Nutrition," Nutrition, Vol. 13, No. 4, 1997, pp.369-371.	
	A23	"What's All This Noise About Nucleotides?," Feeding Times, Vol. 6, No. 2, 2001, pp. 18-19.	
	A24	Schematic representation of computer system commercially used by Cargill, Inc. prior to December 1999, 1 page (Nutrient Gap Flowchart).	
	A25	Schematic representation of computer system commercially used by Cargill, Inc. prior to June, 2001, 3 pages, (Figures 1-3 from WO 02/47473).	
	A26	Derwent Abstract of SU 843 889; Accension Number 1982 - E5977E	
/MNVB/	A27	Derwent Abstract of EP 0715 806 A1; Accension Number 1996 -260514	

Examiner Signature	/M.N. Von Buhr/	Date Considered	01/06/2008
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Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: August 20, 2004 (use as many sheets as necessary)				Complete if Known	
				Application Number	10/656,990
Sheet 1 of 1				Filing Date	09/05/2003
				First Named Inventor	Christiaan P.A. van de Ligt
				Group Art Unit	2862
				Examiner Name	To be determined
				Attorney Docket Number	023829-0257

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		Number	Kind Code ² (if known)			
/MNVB/	A1	5,816,191		Beaudoin et al.	10/06/1998	
/MNVB/	A2	5,309,864		Harmsen et al.	05/10/1994	
	A3					
	A4					
	A5					

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	A6							
	A7							
	A8							
	A9							
	A10							

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/MNVB/	A11	PCT International Search Report for International Application No. PCT/US03/19086, June 28, 2004, (4 pgs.).			
	A12				
	A13				
	A14				
	A15				

Examiner Signature	/M.N. Von Buhr/	Date Considered	01/06/2008
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001.1688240 of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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